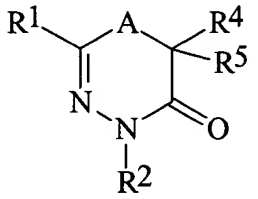
LIST OF CLAIMS

1. (Currently Amended) A compound represented by the following formula (I), a pharmacologically acceptable salt thereof or hydrates thereof:

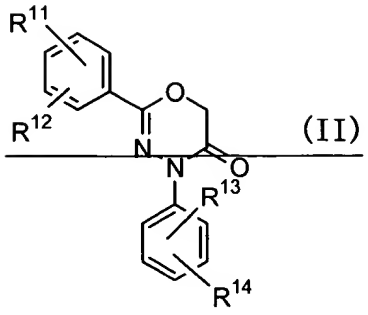


(I)

wherein A represents oxygen; R^1 represents a phenyl having an N,N-di-lower alkylaminoalkoxy group or morpholinyl-lower alkoxy group, pyridyl group or a pyridyl group having a halogen atom, hydroxy group, a lower alkyl group or a lower alkoxy group ~~an optionally substituted aryl group, an optionally substituted heteroaryl group that is formed from one or two 5-6 membered rings that may contain from 1 to 4 heteroatoms, an optionally substituted aralkyl group, an optionally substituted heteroaryl alkyl group, an optionally substituted aryl alkenyl group, an optionally substituted heteroaryl alkenyl group, an optionally substituted piperidyl group, an optionally substituted piperazinyl group, a morpholinyl group, an optionally substituted lower C_{3-8} cycloalkyl group, a tetrahydrofuranyl group, a tetrahydropyranyl group, an adamantyl group, an optionally substituted amino group or an optionally substituted amide group that is $-CO-N(R_a)R_b$, wherein~~

~~R_a and R_b are hydrogen or C_{1-6} alkyl groups~~; R^2 represents a phenyl, a phenyl having a halogen atom, a pyridyl group or a pyridyl having a nitril group ~~an optionally substituted aryl group, a 1-9 membered heteroarylalkyl having 1-4, an optionally substituted heteroaryl group that is formed from one or two 5-6 membered rings that may contain from 1 to 4 heteroatoms, an optionally substituted aryl alkenyl group, an optionally substituted heteroaryl alkenyl group, an optionally substituted piperidyl group, an optionally substituted piperazinyl group, a morpholinyl group, an optionally substituted lower C_{3-8} cycloalkyl group, a tetrahydrofuranyl group, a tetrahydropyranyl group, an adamantyl group, an optionally substituted amino group or an optionally substituted amide group that is $-CO-N(R_a)R_b$, wherein R_a and R_b are hydrogen and C_{1-6} allyl group~~; and R^4 and R^5 ~~are the same as or different from each other and~~ each represents a hydrogen atom.~~, hydroxyl group, nitrile group, nitro group, a lower alkyl group, an aryl group or a heteroaryl group that is formed from one or two 5 or 6 membered rings that may contain from 1 to 4 heteroatoms~~,

~~provided that the compounds represented by the following formula (II):~~

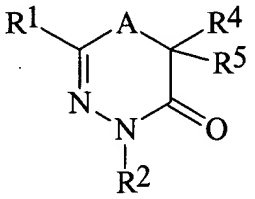


(II)

~~(wherein R11 and R12 are the same as or different from each other and each represents hydrogen atom, fluorine, chlorine, bromine, iodine, a C1-C2 fluoroalkyl group, a C1-C2 chloroalkyl group, a C1-C2 bromoalkyl group, a C1-C6 alkyl group, a C3-C6 cycloalkyl group, a C7-C9 aralkyl group, phenyl group, a C1-C6 alkoxy group, a C1-C6 alkylthio group, a C1-C6 alkylsulfinyl group, a C7-C9 aralkoxy group, phenoxy group, phenylthio group, phenylsulfonyl group, an alkali metal carboxylate C2-C5 alkoxycarbonyl group or a group represented by the formula $-N(R^{15})R^{16}$ (wherein R^{15} and R^{16} are the same as or different from each other and each represents hydrogen atom or a C1-C2 alkyl group); and R^{13} and R^{14} are the same as or different from each other and each represents a C_{1-4} alkylsulfonyl group, nitro group, a group represented by the formula $-OCH_nX_{3-n}$ (wherein X represents fluorine, chlorine, bromine or iodine; and n is an integer of 1 to 3) or the same groups as defined above for R^{11} and R^{12}) are excluded.~~

2-12. (Canceled)

13. (Currently Amended) A pharmaceutical composition comprising a pharmacologically acceptable amount of the compound represented by the following formula (I), a pharmaceutically acceptable salt thereof or hydrates thereof, and pharmacologically acceptable carriers:



(I)

wherein A represents oxygen~~, sulfur or a group represented by the formula >NR^3 (wherein R^3 represents hydrogen atom or a lower alkyl group)~~; R^1 is a phenyl having an N, N-di-lower alkylaminoalkoxy group or morpholinyl-lower alkoxy group, pyridyl group or a pyridyl group having a halogen atom, hydroxy group, a lower alkyl group or a lower alkoxy group; ~~and~~ R^2 is a phenyl, a phenyl having a halogen atom, a pyridyl group or a pyridyl having nitril group; ~~are the same as or different from each other and each represents an optionally substituted aryl group, an optionally substituted heteroaryl group that is formed from one or two 5 or 6 membered rings that may contain from 1 to 4 heteroatoms, an optionally substituted aralkyl group, an optionally substituted heteroaryl alkyl group, an optionally substituted aryl alkenyl~~

~~group, an optionally substituted heteroaryl alkenyl group, an optionally substituted piperidyl group, an optionally substituted piperazinyl group, a morpholinyl group, an optionally substituted lower C_{3-8} cycloalkyl group, a tetrahydrofuranyl group, a tetrahydropyranyl group, an adamantyl group, an optionally substituted amino group or an optionally substituted amide group that is $CO\ N(R_a)R_b$, wherein R_a and R_b are hydrogen and C_{1-6} alkyl group;~~ and R^4 and R^5 ~~are the same as or different from each other and~~ each represents a hydrogen atom~~, hydroxyl group, halogen atom, nitrile group, nitro group, a lower alkyl group, an aryl group or a heteroaryl group that is formed from one or two 5 or 6 membered rings that may contain from 1 to 4~~

~~provided that A is an oxygen atom, when R^1 and R^2 are both phenyl; and~~

~~when A is a sulfur atom, R^1 is~~

~~an aryl which may have a substituent,~~

~~a heteroaryl which may have a substituent that is formed from one or two 5-6 membered rings that may contain 1-4 heteroatoms,~~

~~an aralkyl which may have a substituent,~~

~~a heteroarylalkyl which may have a substituent~~

~~an arylalkenyl which may have a substituent,~~

~~a heteroarylalkenyl which may have a substituent,~~

~~a piperidyl which may have a substituent,~~

~~a piperadinyl which may have a substituent,~~

~~a morpholinyl which may have a substituent,~~

~~a lower C_{3-8} cycloalkyl which may have a substituent,~~

~~tetrahydrofuranyl,~~

~~adamantyl or~~

~~an optionally substituted amide, that is $-CO-N(R_a)R_b$, wherein R_a and R_b are hydrogen and C_{1-6} alkyl group~~.

14-23. (Canceled)

24. (Currently Amended) A method of treating and ameliorating nerve degeneration diseases, which comprises administering a pharmacologically effective amount of the pharmaceutical preparation according to claim 13 ~~15 or 16~~ to a patient.

25. (Currently Amended) A method of treating and ameliorating demyelinating nerve diseases, which comprises administering a pharmacologically effective amount of the pharmaceutical preparation according to claim 13 ~~15 or 16~~ to a patient.

26. (Currently Amended) A method of treating and ameliorating acute nerve degeneration after cerebral ischemia, traumas in the head and spinal injuries, ~~Alzheimer's disease, Parkinson's disease,~~

~~amyotrophic lateral sclerosis, Huntington's chorea,~~ epilepsy, pain, multiple sclerosis, encephalomyelitis, Guillain Barre syndrome, ~~Marchiafava Bignami disease,~~ Devic disease, Balo disease, ~~HIV or HTLV myelopathy or leukoencephalopathy,~~ which comprises administering a pharmacologically effective amount of the pharmaceutical preparation according to 13 ~~15 or 16~~ to a patient.

27-33. Canceled.

34. (NEW) A compound selected from the group consisting of 2-(2-Pyridyl)-4-phenyl-4H-1,3,4-oxadiazine-5(6H)-one hydrochloride, 2-(2-pyridyl)-4-(2-bromophenyl)-4H-1,3,4-oxadiazine-5(6H)-one, 2-(2-Pyridyl)-4-(2-fluorophenyl)-4H-1,3,4-oxadiazine-5(6H)-one, 2-Phenyl-4-(2-cyano-3-pyridyl)-4H-1,3,4-oxadiazine-5(6H)-one hydrochloride, 2-[2-(2-Dimethylamino)ethoxyphenyl]-4-(2-bromophenyl)-4H-1,3,4-oxadiazine-5(6H)-one hydrochloride, 2-[2-(2-dimethylaminoethoxy)phenyl]-4-phenyl-4 H-1,3,4-oxadiazine-5(6H)-one hydrochloride, 2-[2-(2-Dimethylaminoethoxy)phenyl]-4-(2-fluorophenyl)-4H-1,3,4-oxadiazine-5(6H)-one hydrochloride, and 2-{2-[2(4-Morpholinyl)ethoxyphenyl}-4-(2-bromophenyl)-4H-1,3,4-oxadiazine-5(6H)-one hydrochloride.